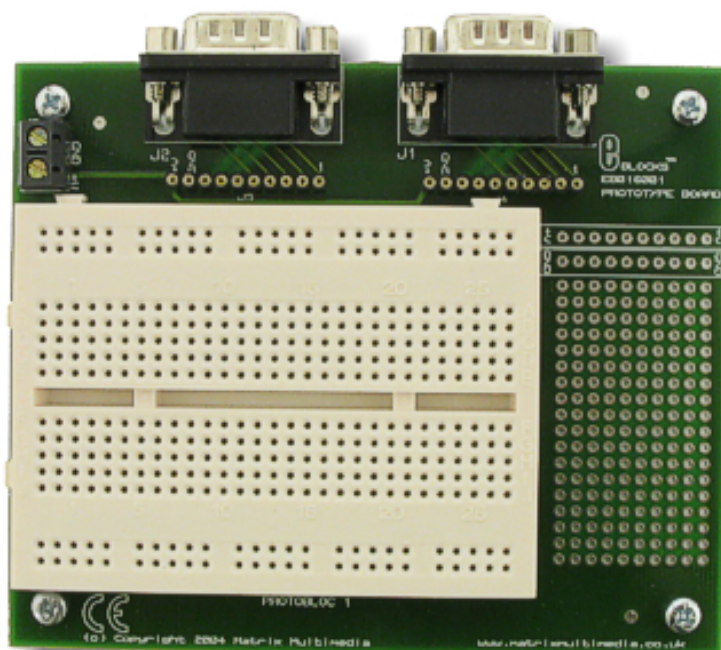
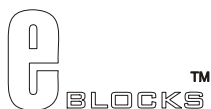


# Proto Board datasheet



## Contents

1. About this document
2. General information
3. Board Layout
4. Circuit description

### Appendix

- A. Circuit Diagram

# 1 About this document

This document concerns the Matrix Proto Board code EB-016-00-1.

## ***Trademarks and Copyright***

PIC, PICmicro are registered trademarks of Arizona Microchip Inc.

E-blocks is a trademark of Matrix Multimedia Limited.

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## ***Other sources of information***

There are various other documents and sources that you may find useful:

### **Getting started with E-Blocks.pdf**

This describes the E-blocks system and how it can be used to develop complete systems for learning electronics and for PICmicro programming.

### **PPP Help file**

This describes the PPP software and its functionality. PPP software is used for transferring hex code to a PICmicro microcontroller.

## ***Disclaimer***

The information in this document is correct at the time of going to press. Matrix Multimedia reserves the right to change specifications from time to time.

## ***Technical support***

If you have any problems operating this product then please refer to the troubleshooting section of this document first. You will find the latest software updates, FAQs and other information on our web site: [www.matrixmultimedia.co.uk](http://www.matrixmultimedia.co.uk). If you still have problems please email us at: [support@matrixmultimedia.co.uk](mailto:support@matrixmultimedia.co.uk). When emailing please state the operating system, the version of PPP you are using.

## 2 General information

### Description

This E-block contains a small prototype board for developing circuits and projects. Connector for two E-block ports allow prototype wires and leads to be connected to the rows and columns on the prototype board.

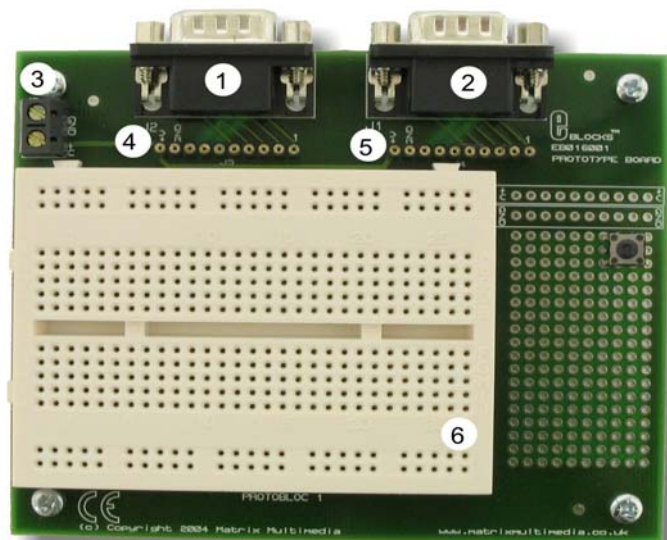
A small-dedicated 'patch' area allows more awkward components – like potentiometers, and switches – to be soldered to the circuit board itself

### Features

- 29 \* 10 hole proto area
- Separate lines for power rails
- Patch area for non-proto components

## 3 Proto Board Layout

- 1) 9 Way D-type Socket
- 2) 9 Way D-type Socket
- 3) Screw Terminal
- 4) Pin connector for D-type socket
- 5) Pin connector for D-type socket
- 6) Proto Breadboard



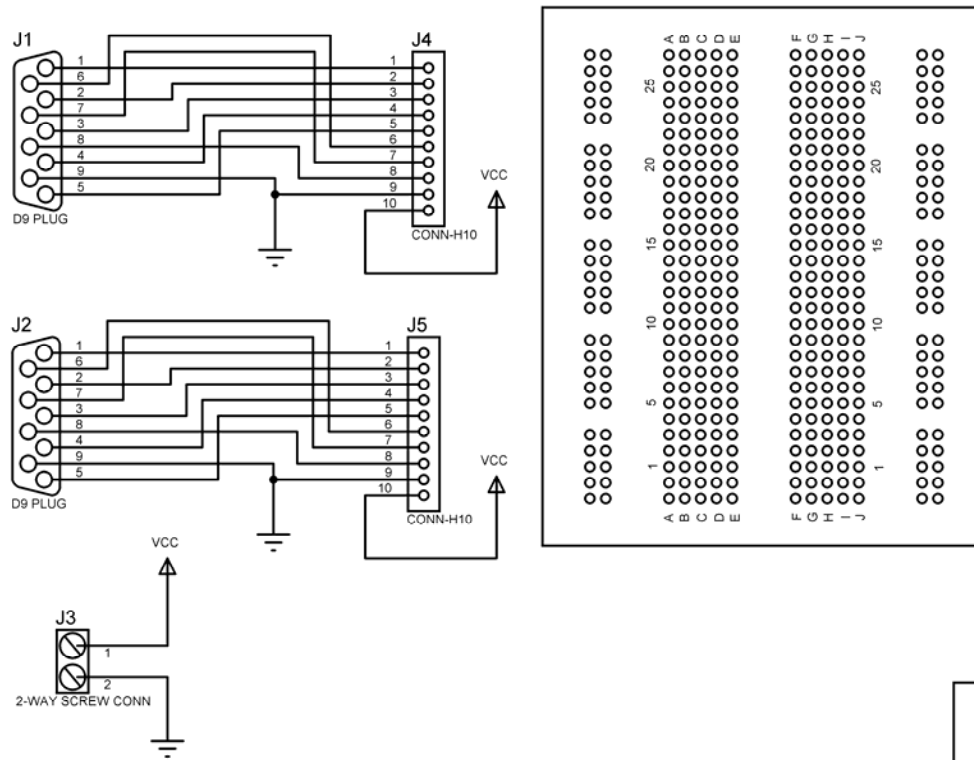
## **4 Circuit description**

The Proto Board is simple to use. It is like any standard breadboard. The proto area allows you to develop temporary projects. It is then possible to connect any I / O to an upstream board via the Header pins which are connected directly to the associated 9-way D-type connector. Access to "+V" and "GND" can be made using wires from the header pins or there are dedicated lines. Although this does assume you have connected "+V" to the screw terminals. There is a small area that is available for soldering some components, this is the 'mini patch' area.

# Appendix A – Circuit Diagram

THIS SYSTEM INCLUDES:-

- FEET
- PROTOBLOC



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E-BLOCKS PROTOTYPE BOARD EB-016-00-1		22/03/05 PAGE:	
BY: Conor Carr		REV: 1	
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